US Army Corps of Engineers
Charleston District

Program Fact Sheet

Support to DOE and NNSA at Savannah River Site

Program Description and Location:

Savannah River Site (SRS) is an approximately 310-square mile site that is located 12 miles south of Aiken, South Carolina and is managed by the Department of Energy (DOE). It is bordered on the west by the Savannah River and Georgia and is close to several major cities, including Augusta and Savannah in Georgia and Columbia, Greenville, and Charleston in South Carolina. SRS is located in an area that local residents refer to as the Central Savannah River Area, or CSRA. Established in 1950 by the Atomic Energy Commission, initial construction at SRS began in the early 1950s to support the production of tritium and plutonium for our nation's defense programs and nuclear stockpile. Currently, the three primary DOE mission areas - nuclear weapons stockpile stewardship, nuclear materials stewardship, and environmental stewardship - are supported at SRS. Focus on these mission areas has led to continuing missions in tritium reprocessing and defense waste processing, as well as environmental remediation and waste clean-up efforts.

Program Current Status:

As of 22 April 2021 - Charleston District continues to support DOE at SRS through an Interagency Agreement (IA) that was executed in June 2010, which replaced an earlier agreement executed in August 1985 between the DOE Site Manager at SRS and the USACE Chief of Engineers. Charleston District supports DOE at SRS within two major categories of work - Project Management Services and Design/Construction Management Services. Under Project Management Services, Charleston District provides general project management services, cost estimating, economic studies, design reviews, value engineering studies, and construction surveillance. Under Construction Management Services, Charleston District provides design, procurement, and construction services. All design/construction projects have been facility and infrastructure related. Charleston District has also been able to support work at other DOE facilities nationwide on tasks assigned by DOE-HQ, utilizing other District and Laboratory resources through the "One Door to the Corps" policy.

Since 2004, Charleston District has also been providing project and construction management service support to the National Nuclear Security Administration (NNSA) at SRS. NNSA is a semi-autonomous agency within DOE that is responsible for enhancing national security through the military application of nuclear energy and non-proliferation of nuclear materials.

Charleston District is currently providing technical support to NNSA on the Mixed Oxide Fuel Fabrication (MOX) Facility project transition, including contract close-out actions, and development of Plutonium-related programs using the remnant MOX facility.

With Savannah District Real Estate Division assistance, Charleston District continues to provide periodic support to DOE-EM for realty and lease renewal actions to support off-site air and ground water monitoring equipment locations and on-site cell tower installations.

Charleston District also supports DOE-HQ through CERL for environmental auditing and other tasks directly scoped between DOE-HQ and CERL.

In FY18, Charleston District supported DOE-EM at SRS to complete replacement of swing arms at selected SRS entrance barricades. The contract was awarded in Nov 2017 and physically completed in Dec 2017. Charleston District also completed development of a cost estimate for design and construction of a drum storage facility at SRS.

In FY19, FY20, and FY21 Charleston District supported DOE-EM at SRS by developing a concept
design for replacement of an Entrance Barricade and is prepared to support future full design and construction pending internal discussion and funding approval. Charleston District has also coordinated with Savannah and Mobile Districts to develop a hydraulic analysis and recommended alternatives for improvements to the PAR Pond Dam at SRS to address the results of a Potential Failure Mode Analysis. In FY19, Charleston District also provided a design and construction estimate to NNSA for a new headquarters building. Charleston District also

US Army Corps of Engineers
Charleston District

Program Fact Sheet

Support to DOE and NNSA at Savannah River Site

developed a support estimate for completion of an Environmental Baseline Study (EBS) and an Environmental Assessment (EA) for planned solar farm at SRS and for AMC Facility to be constructed on the USC Aiken Campus.

Future Activities:

In FY21 and outyears, Charleston District will continue to support DOE and NNSA on Task Orders 1 and 2 projects assigned through the DOE-EM IA, including support for task assigned from NNSA.

Charleston District is forecasted to continue to provide support to NNSA for the MOX project through July 2020 when the transition will be completed. Real Estate support through SAS-RE and environmental support through CERL will continue as specific tasks are assigned. DOE expects to assign the EOC design in FY21 and construction in FY23 to Charleston District pending DOE internal program determinations and funding availability. Further design and construction support for PAR Pond Dam improvements will depend on the direction in which DOE decides to proceed pending review of the submitted engineering analysis and alternatives development. DOE expects to assign the Barricade Replacement design and construction to Charleston District in FY20 and FY21 respectively, pending funding availability. Other tasks that Charleston District has supported remain to be decided on by DOE-EM and NNSA.

Charleston District has access to a full range of engineering, procurement, construction, administrative, and advisory staff that are available to support DOE and NNSA in their efforts to support the current missions at SRS. The amount and nature of assigned work continues to vary over time.

Program Sponsor: Department of Energy and National Nuclear Security Administration

Program Manager Name:	Program Manager Phone:	Program Manager Email:
Robert Sorenson	(843) 329-8161	Robert.G.Sorenson@usace.army.mil